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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/613,033	07/07/2003	Nima Ahmadvand	50111-21CIP	9380
7380	7590	06/05/2006	EXAMINER	
SMART & BIGGAR P.O. BOX 2999, STATION D 900-55 METCALFE STREET OTTAWA, ON K1P5Y6 CANADA			VY, HUNG T	
		ART UNIT	PAPER NUMBER	2163
DATE MAILED: 06/05/2006				

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)
	10/613,033	AHMADVAND ET AL.
	Examiner Hung T. Vy	Art Unit <i>-2821 2163</i>

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) Responsive to communication(s) filed on the Applicant's arguments filed 4/11/2006.

2a) This action is FINAL. 2b) This action is non-final.

3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) Claim(s) 2, 15, 17-21 and 26,28-32 is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5) Claim(s) _____ is/are allowed.

6) Claim(s) 2 is/are rejected.

7) Claim(s) 15,17-21,26 and 28-32 is/are objected to.

8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9) The specification is objected to by the Examiner.

10) The drawing(s) filed on 07 July 2003 is/are: a) accepted or b) objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a) All b) Some * c) None of:

1. Certified copies of the priority documents have been received.
2. Certified copies of the priority documents have been received in Application No. _____.
3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)	4) <input type="checkbox"/> Interview Summary (PTO-413)
2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Date. _____.
3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date _____.	5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)
	6) <input type="checkbox"/> Other: _____.

Response to Arguments

1. The citation in the previous rejection based on Watanabe was inadvertently made. Applicant's arguments with respect to claims 2, 15, 17-21, 26, and 28-32 have been considered but moot. In light of new ground of rejection via the same reference.

Summary of claims

2. Claims 2, 15, 17-21, 26, and 28-32 are pending.

Claims 16, 23 and 27 have been cancelled.

Claim 2 is rejected.

Claims 1, 3-14, 22, 24, and 25 have been withdrawn for non-elected species.

Claims 15, 17-21, 26, and 28-32 are objected to allow subject matter.

Claim Rejections - 35 U.S.C. § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claim 2 is rejected under 35 U.S.C. 103 (a) as being unpatentable over Watanabe (U.S. Patent No. 6,307,984).

With respect to claim 2, in fig. 15, Watanabe discloses a multi-wavelength laser source comprising: a source (light source of the transmitter) of optical signal having optical pulses (RZ pulses) at a channel (2-1, 2-2, ...2-n) spacing frequency (See fig. 15, column 19, line 10-25 and column 10, line 50-68, col. 11, line 1-10); a nonlinear medium

(phase conjugator 6) comprising multiple segments of optic fiber (6, 6, etc.)(See fig.15) at least one of the segments comprising HNLF (highly nonlinear fiber) (See column 29, line 31-50), the nonlinear medium, and to yield comblike multi-channel WDM laser signals separated from each other by said channel spacing frequency (λ_{cn} , λ_{c2} , etc.) (See fig. 17 a and b). Watanabe does not disclose an amplifier for amplifying the optical signal to produce an amplified optical signal in an embodiment show in 15. However, another embodiment, in fig. 3, Watanabe discloses an amplifier for amplifying the optical signal to produce an amplified optical signal in order to reduce the nonlinear distortion (see fig. 3 and see column 10, line 57-60 and column 23, line 60-65). It would have been obvious to one of ordinary skill in the art at the time of the invention was made to modify Watanabe's a sixth embodiment in fig. 15 by providing an amplifier for amplifying the optical signal to produce an amplified optical signal in order to reduce the nonlinear distortion since such an arrangement of an amplifier for the stated purpose has been well known in the art as evidenced by the teaching of Watanabe (See column 23, line 60-65).

Allowable Subject Matter

4. With respect to claims 15 and 26 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims, since the prior art of record and considered pertinent to the applicant's disclosure does not teach or suggest the claimed a multi-wavelength source wherein DSF, DSF, SMF, HNLF connected **together in sequence.**

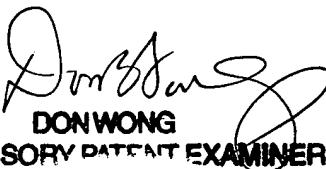
With respect to claim 17-21, and 28-32 depend from the objected claims 15 and 26, and would be allowable by virtue of their dependency on claims 15 and 26.

Conclusion

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hung T. Vy whose telephone number is 571-2721954. The examiner can normally be reached on 8.30am - 5.30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Don Wong can be reached on 571 272 1834. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



DON WONG
SUPERVISORY PATENT EXAMINER

Hung T. Vy
Art Unit 2821.
May 8, 2006.